Test Plan – VWO (app.vwo.com)

# 1. Objective

This Test Plan outlines the strategy, scope, and execution of testing for app.vwo.com, a robust platform for A/B testing and experimentation. The primary goal is to validate that all core functionalities—such as experiment creation, metrics tracking, dashboard operations, and user management—operate as expected across various platforms and user conditions.

# 2. Scope

In Scope:

- Login and Authentication

- Dashboard Page and Navigation

- Experiment Creation (A/B, Split, Multivariate)

- Metrics Configuration & Data Aggregation

- Report Visualization & Analytics

- User Role Management

- Mobile and Desktop Browser Compatibility

- Integration with Analytics Tools (Google Analytics, Mixpanel, etc.)

Out of Scope:

- Support page and Zoho live chat widget

- Third-party system backends not managed by VWO

# 3. Inclusions

- Manual and Automated Test Cases

- Test Data Generation

- Browser, OS, and Device Compatibility Testing

- Performance and Load Testing

- API and Backend Validation

- Security Testing (basic authentication flow checks)

# 4. Test Environments

Environment | URL

QA | qa.vwo.com

Pre-Prod | preprod.vwo.com

UAT | uat.vwo.com

Production | app.vwo.com

Platforms:

- Windows 10: Chrome, Firefox, Edge

- macOS: Safari, Chrome

- Android Devices: Chrome (latest 2 versions)

- iOS Devices: Safari

# 5. Defect Reporting Procedure

- Defects identified during testing will be logged in JIRA.

- All issues will be documented with:

- Summary & description

- Steps to reproduce

- Screenshots or logs

- Environment details

- Severity and priority will be assigned.

- Daily defect triage meetings will be held.

Key Contacts:

- Frontend: Devesh

- Backend: Sonal

- DevOps: Prajeeth

# 6. Test Strategy

Design Techniques Used:

- Equivalence Partitioning

- Boundary Value Analysis

- Use Case Testing

- Error Guessing

- Exploratory Testing

Testing Types:

- Smoke Testing

- Sanity Testing

- Functional & UI Testing

- Regression Testing

- End-to-End Testing

- Usability Testing

Approach:

- Smoke testing after each deployment

- Manual & automated execution in parallel

- Continuous Integration setup for nightly regression runs

- Use exploratory testing to uncover edge cases

# 7. Test Schedule

Activity | Timeline (Tentative)

Test Plan Preparation | Sprint 1, Day 1–2

Test Case Design | Sprint 1, Day 3–7

Test Execution – Cycle 1 | Sprint 2, Day 1–4

Bug Fix Verification | Sprint 2, Day 5–6

Regression Testing | Sprint 2, Day 7

Final Report Submission | Sprint 2, Day 8

# 8. Test Deliverables

- Test Plan Document

- Test Scenarios & Test Cases

- Test Execution Reports

- Defect Logs

- Automation Scripts (Selenium + TestNG)

- Test Summary Report

- Final Approval Sign-off

# 9. Entry and Exit Criteria

Requirement Analysis

- Entry: Requirements document shared

- Exit: Understanding confirmed, test coverage reviewed

Test Execution

- Entry: Signed-off test cases; stable build ready

- Exit: All major test cases executed; all critical defects fixed

Test Closure

- Entry: Final test cycle completed

- Exit: Summary report submitted, UAT approved

# 10. Tools

- JIRA (Bug & Task Tracking)

- Selenium + TestNG (Automation)

- Mind Mapping Tools (Test Idea Visualization)

- Snipping Tool (Screenshots)

- Excel, Word (Documentation)

# 11. Risks and Mitigations

Risk | Mitigation

Unavailable QA resources | Backup resource allocation

Broken or inaccessible build | Prioritize smoke testing and feedback

Reduced testing time | Dynamic resource scaling

Unclear requirements | Early and continuous communication

# 12. Approvals

All documents and deliverables (Test Plan, Test Cases, Reports) will be shared with stakeholders for approval. Testing will proceed to subsequent phases only after formal sign-off.